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David Arthaud

Professional Experience:

Fishery Biologist, National Marine Fisheries Service, Boise, Idaho, 1998-present

Fisheries Biologist, Shoshone-Bannock Tribes, Fort Hall, Idaho, 1993-1998

Education:

M.S. Fisheries Resources, University of Idaho, 1992

B.S. Fish and Wildlife Management, University of Missouri, 1989

Publications:

Arthaud, D.L., C.M. Greene, K. Guibalt, and J.V. Morrow Jr. 2010. Contrasting life-cycle impacts of stream flow on two Chinook salmon populations. *Hydrobiologia* 655: 171-188.

Mebane, C.E., and D.L. Arthaud. 2010. Extrapolating growth reductions in fish to changes in population extinction risks: copper and Chinook salmon. *Human and Ecological Risk Assessment* 16: 1026-1065.

Relevant Reports:

NMFS. 2016. Endangered Species Act Section 7 Formal Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Response for the South Fork Clearwater River Suction Dredging Program. NMFS, West Coast Region, Seattle, Washington. June 14.

NMFS. 2014. Summary of Suction Dredging Impacts. August 1.

NMFS. 2014. Endangered Species Act Section 7 Formal Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Response for the Grouse Creek Mine Tailings Impoundment Closure Activities. NMFS, Northwest Region, Seattle, Washington. March 27.

NMFS. 2013. Endangered Species Act Section 7 Formal Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Response for the Lolo Creek Suction Dredging Program. NMFS, Northwest Region, Seattle, Washington. July 16.

NMFS. 2012. Endangered Species Act Section 7 Concurrence Letter and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Response for the U.S. Environmental Protection Agency's Small Placer Miners in Idaho National Pollutant Discharge Elimination System General Permit (IDG-37-0000) for the State of Idaho. NMFS, Northwest Region, Seattle, Washington. November 20.

Contribution Notes:

Arthaud et al. 2010: Developed idea, analyzed data, designed models, and drafted manuscript. Coauthors helped with some data analysis, arguments, and edit and review.

Mebane and Arthaud 2010: secondary author; analyzed migration survival data and relationships, drafted sections of manuscript, and provided edits and review.

NMFS biops: lead consultation biologist and author. Other NMFS staff provided some sections of text, reviewed and edited each draft. Lolo Creek was adapted and expanded from an earlier iteration, but all others were original.

NMFS 2014: wrote this summary of suction dredge impacts